

MASS WATER-LEVEL MEASUREMENTS OF FALL 1984
IN THE CENTRAL PLATTE RIVER BASIN, NEBRASKA

By Jack T. Dugan

U.S. GEOLOGICAL SURVEY

Open-File Report 85-193

Prepared in cooperation with

U.S. BUREAU OF RECLAMATION
CENTRAL PLATTE NATURAL RESOURCES DISTRICT



Lincoln, Nebraska

1985

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information
write to:
District Chief, WRD
U.S. Geological Survey
406 Federal Building
100 Centennial Mall, North
Lincoln, NE 68508

Copies of this report can be
purchased from:
Open-File Services Section
U.S. Geological Survey
Box 25425, Federal Center
Denver, CO 80225
Telephone: (303) 234-5888

CONTENTS

	Page
Abstract-----	1
Introduction-----	1
Purpose-----	1
Objectives-----	2
Study area-----	2
System of well location and altitude control-----	2
Results-----	5
Appendix-----	8

ILLUSTRATIONS

	Page
Figure 1. Map showing location of the study area-----	3
2. Example of well-numbering system-----	4
3. Map showing distribution of measured wells in the study area-----	6

CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
Acre	4,047	square meter
Foot	0.3048	meter
Mile	1.609	kilometer
Square mile	2.590	square kilometer

MASS WATER-LEVEL MEASUREMENTS OF FALL 1984 IN
THE CENTRAL PLATTE RIVER BASIN, NEBRASKA

By Jack T. Dugan

ABSTRACT

Mass water-level measurements were conducted in the Central Platte River basin, Nebraska, for the purpose of providing data to the U.S. Bureau of Reclamation for the development of a detailed map of water-table conditions during the fall of 1984. The objective was to provide a network of observation wells at approximately 2- to 3-mile intervals.

In October and November 1984, 736 wells were measured, of which 526 were measured as part of existing ground-water observation networks. The remaining 210 were wells not previously measured and required complete inventorying.

The report consists of maps of the study area and locations of the observation wells. An appendix of pertinent well data includes: legal location, land-surface altitude, depth-to-water, water-table altitude, date of measurement, and type of well.

INTRODUCTION

The ground-water resources and their development in the Central Platte River Basin of Nebraska are of major significance to the State. This report, which constitutes the initial phase of an evaluation of these resources by the U.S. Bureau of Reclamation, provides mass water-level measurements of water table conditions in the Central Platte area in the fall of 1984. The principal participating agencies were the U.S. Geological Survey, U.S. Bureau of Reclamation, and Central Platte Natural Resources District.

PURPOSE

The purpose of this project was to provide an adequate number of uniformly-distributed water-level measurements of existing water-table wells for the development of a detailed map of the water-table conditions as of fall 1984.

OBJECTIVES

The principal objective of the study was to provide a network of observation wells at approximately 2- 3-mile intervals. To achieve this distribution it was necessary to supplement the existing observation-well network with approximately 200 additional wells in areas selected by the U.S. Bureau of Reclamation.

Another objective was to define the locations and altitudes of all observation wells as precisely as possible. Ideally, this meant locating wells within 2.5 acres (quarter, quarter, quarter, quarter sections) and to the nearest foot of altitude.

A final objective was to provide synoptic ground-water level data by conducting the mass measurements within as short a time period as possible following the recovery period after the irrigation season. The optimum time period would be late fall or early winter, but with the weather vagaries of the region, a measurement period of mid-October to mid-November was selected.

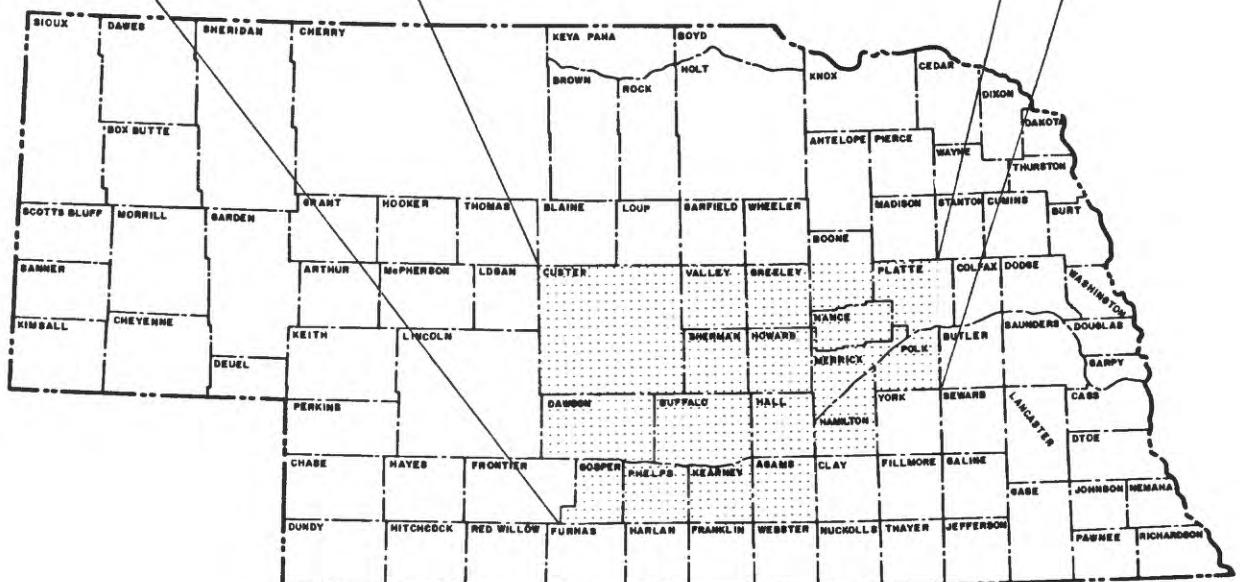
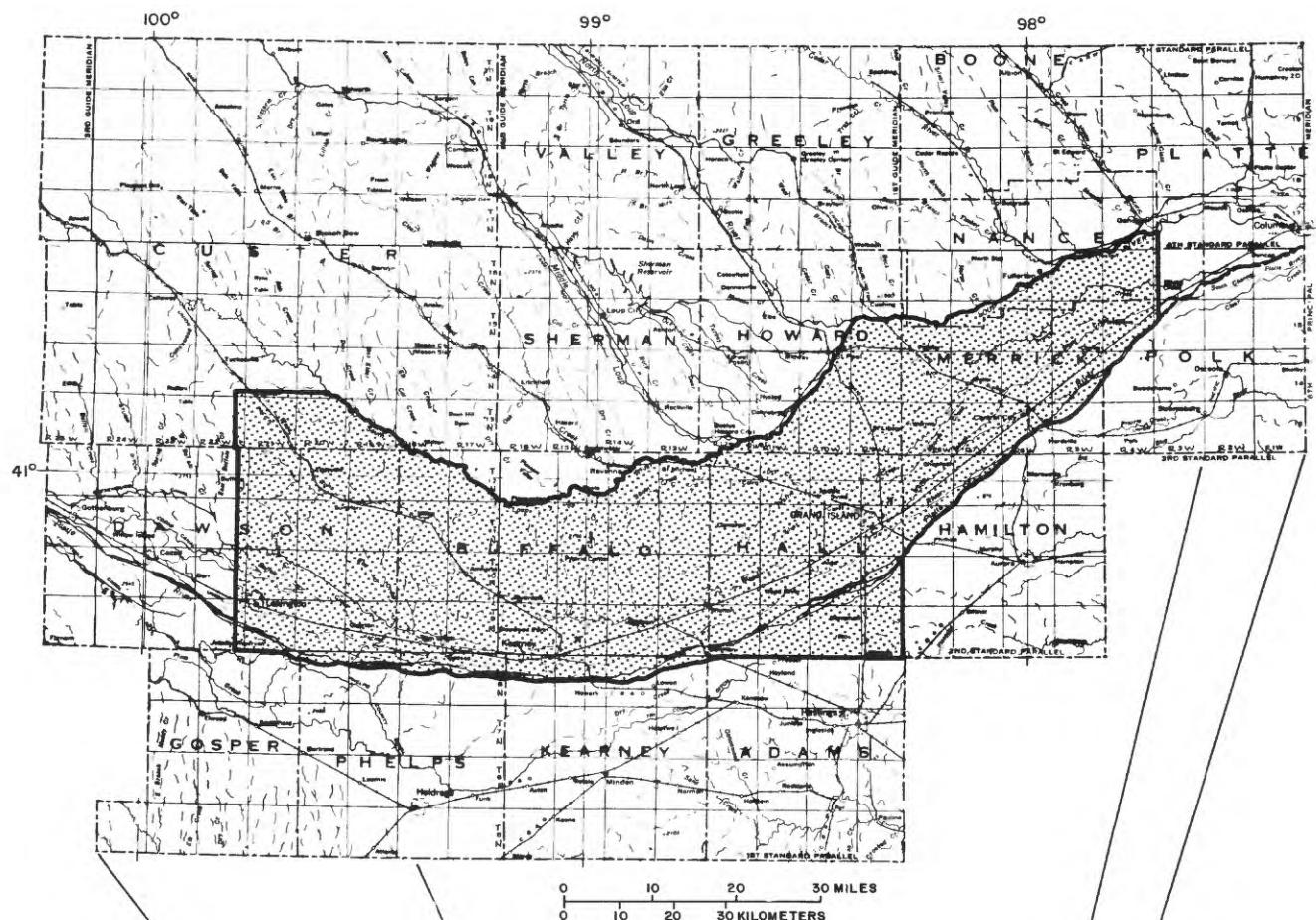
STUDY AREA

The study area shown in Figure 1 lies between the Platte River and the South Loup - Loup River systems and between Range 4 West in Merrick County and Range 21 West in Dawson and Custer Counties, covering approximately 2,500 square miles. Additional observations outside this area were necessary, however, to establish control points for contour mapping.

System of Well Location and Altitude Control

This report uses a system of referencing well locations based on the U.S. Bureau of Land Management's numbering system as shown in figure 2.

The numeral preceding N (north) indicates the township, the numeral preceding E (east) or W (west) indicates the range, and the numeral preceding terminal letters indicates the section in which the well is located. The terminal letters denote, in respective order, the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section and are assigned in counterclockwise direction beginning with A in the northeast corner of each subdivision.



EXPLANATION

PRINCIPAL STUDY AREA

Figure 1.--Location of the study area.

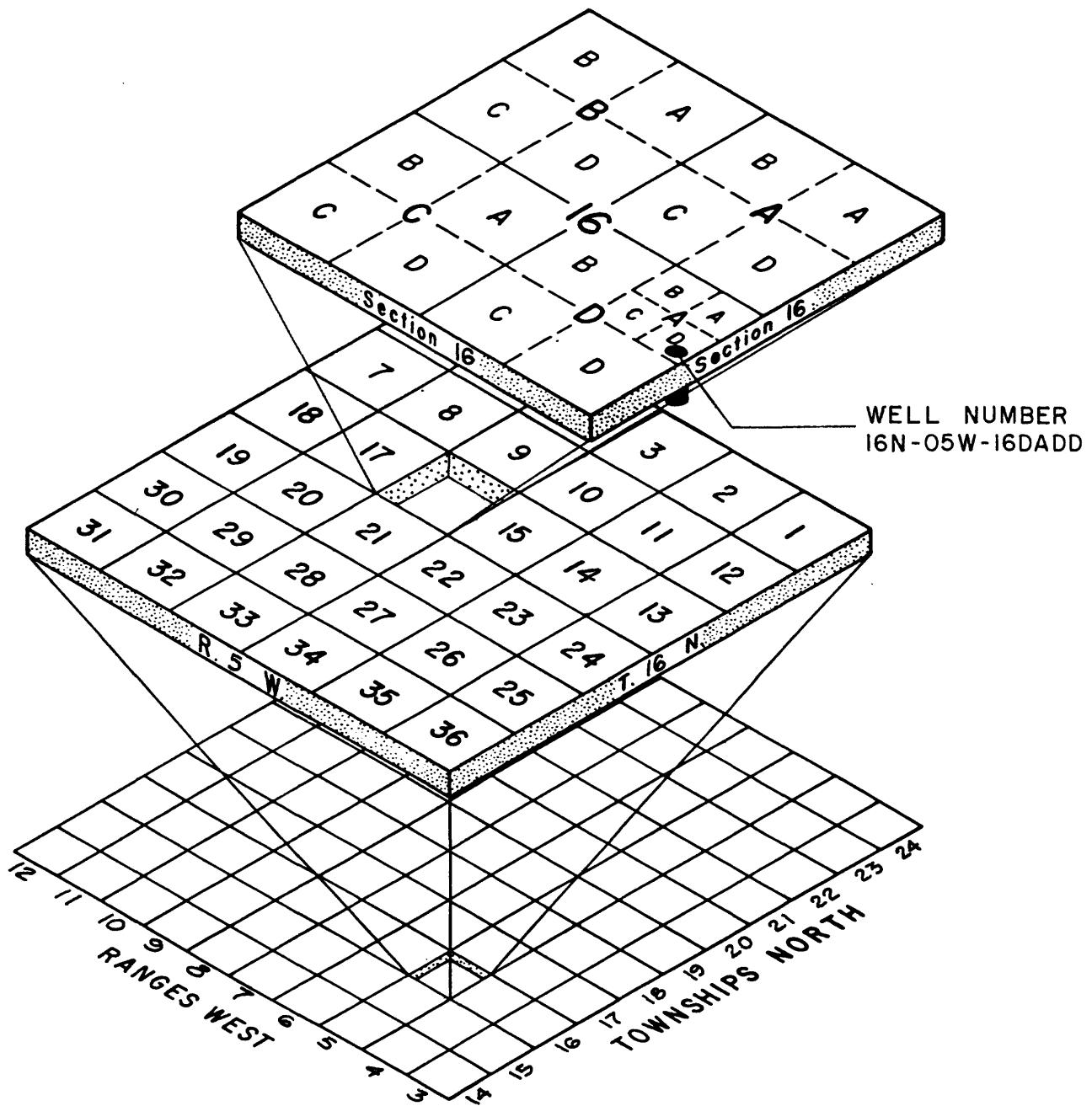


Figure 2.--Well-numbering system.

Altitude for the land-surface datum (LSD) of the ground-water observation points was obtained by two methods. Altitude of selected wells, particularly long-term observation wells, were obtained by instrument survey. Altitudes for most wells, however, were determined from $7\frac{1}{2}$ -minute series topographic maps (scale 1:24,000) with 5- or 10-foot contour intervals, which were available for the entire study area. Altitude values obtained from the topographic maps have an average error factor of \pm 5 feet. Where exact locations were available, altitudes were estimated to the nearest foot from these topographic maps.

Results

Figure 3 shows the distribution of 736 wells that were measured for this study. Of this number, 210 were new observation wells that were inventoried and measured principally in Buffalo, Dawson, Hall, Howard, and Merrick Counties. The remaining 526 wells are those that are measured on a regular basis, generally semiannually, by the Central Platte, Lower Loup, and Tri-Basin Natural Resources Districts (NRD's), the U.S. Geological Survey, the U.S. Bureau of Reclamation, the Central Nebraska Public Power and Irrigation District, and the Blue River Association of Ground-Water Conservation Districts. The following table indicates the number of wells measured, by county, for this study:

<u>County</u>	<u>Number of wells measured</u>
Adams	1
Buffalo	157
Custer	25
Dawson	136
Gosper	5
Hall	142
Hamilton	20
Howard	46
Kearney	28
Merrick	108
Nance	29
Phelps	34
Platte	1
Sherman	4
Total	736

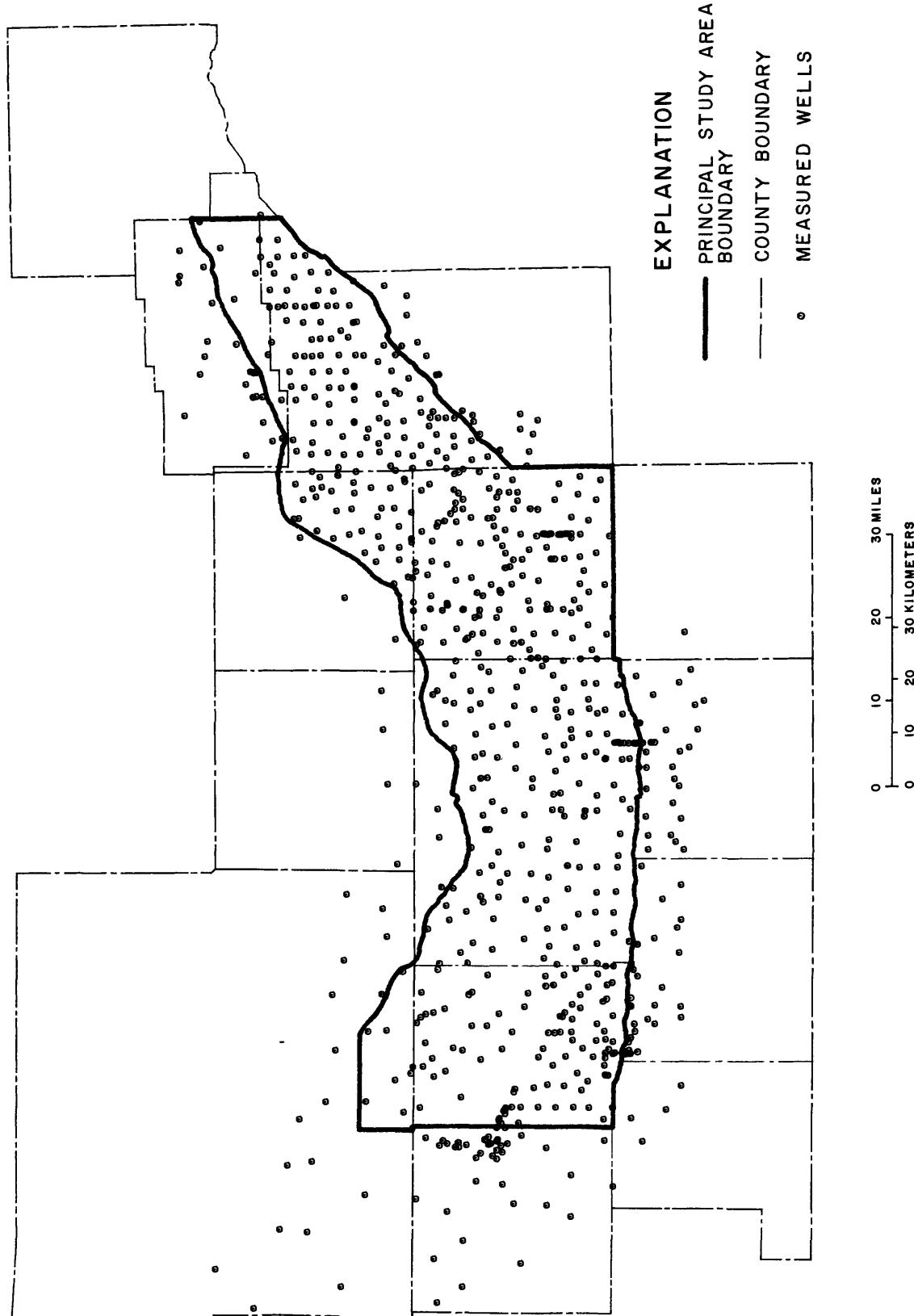


Figure 3.--Distribution of measured wells in the study area.

The resultant network of observations for this study provided an average density of eight observations per 36 square miles (township) or one per 4.5 square miles within the principal study area. This provided approximately an observation well spacing of between 2.0 and 2.5 miles.

As figure 3 indicates, a perfectly uniform distribution of observations was not achieved. Many areas, because of topographic or hydrologic limitations, had no measurable wells. Some clustering effect is evident in some areas where the regularly-measured observation networks contained some observation wells that were established for specific data needs.

Most measurements were performed between October 15 and November 5, 1984. Inclement weather and manpower scheduling limitations of the various agencies, however, caused some measurements to be made outside of this primary time period. All measurements were made, however, in October and November 1984. Only those measured in very early October may be affected significantly by too short a recovery period following the irrigation season or by low flows in the Platte and Loup Rivers.

Appendix A provides measurement data and pertinent information for each observation well used in this study.

APPENDIX A
EXPLANATION FOR SELECTED TERMS

<u>SECLOC</u>	= LOCATION WITHIN SECTION (SEE SYSTEM OF WELL LOCATION)
<u>LSD</u>	= LAND SURFACE DATUM OR ALTITUDE ABOVE MEAN SEA LEVEL (IN FEET)
<u>DTW</u>	= DEPTH TO WATER (IN FEET)
<u>WT</u>	= WATER TABLE ALTITUDE ABOVE MEAN SEA LEVEL (IN FEET)
<u>DATE</u>	= DATE OF MEASUREMENT (MONTH-DAY-YEAR)
<u>MEASURER</u>	= MEASURING AGENCY
<u>GS</u>	= U.S. GEOLOGICAL SURVEY
<u>BR</u>	= U.S. BUREAU OF RECLAMATION
<u>CP</u>	= CENTRAL PLATTE NATURAL RESOURCES DISTRICT
<u>TB</u>	= TRI-BASIN NATURAL RESOURCES DISTRICT
<u>LL</u>	= LOWER LOUP NATURAL RESOURCES DISTRICT
<u>BA</u>	= BLUE RIVER ASSOCIATION OF GROUND-WATER CONSERVATION DISTRICTS
<u>WELL TYPE</u>	= TYPE OF WELL OR WELL USE
<u>IR</u>	= IRRIGATION WELL
<u>OB</u>	= OBSERVATION PIPE WELL
<u>ID</u>	= INDUSTRIAL WELL
<u>DM</u>	= DOMESTIC OR LIVESTOCK WELL
<u>MW</u>	= MUNICIPAL SUPPLY WELL
<u>TOPSHEET</u>	= U.S. GEOLOGICAL SURVEY 7½-MINUTE SERIES TOPOGRAPHIC MAP ON WHICH THE WELL IS LOCATED.

APPENDIX A. GROUND-WATER LEVEL MEASUREMENTS MADE OCTOBER-NOVEMBER 1984, CENTRAL PLATTE RIVER BASIN, NEBRASKA

COUNTY	TOWNSHIP	RANGEF	SFTION	SFCLOC	LSD	DW	WT	DATE	WELLTYPE	MEASURER	TOPSHEET
ADAMS	07N	12W	15	CAB	2057	102.710	1954.29	10/10/84	IR	GS	KENESAW
	BUFFALO	08N	13W	4 ADDD	2035	6.0000	2029.00	10/24/84	OB	BR	GIBBON S
	08N	14W	4 BRBC	4	2076	3.6000	2072.40	10/26/84	OB	BR	NEWARK
	08N	14W	4 BCB	4	2077	3.4000	2073.60	10/26/84	IR	BR	NEWARK
	08N	14W	4 CRB	4	2079	3.6000	2075.40	10/26/84	OB	BR	NEWARK
	08N	14W	5 DDA	5	2078	2.0000	2076.00	10/26/84	OB	BR	NEWARK
	08N	14W	6 CCCC	6	2092	3.5000	2088.50	10/25/84	OB	BR	NEWARK
	08N	14W	7 CCCA	7	2093	3.3000	2089.70	10/25/84	OB	BR	NEWARK
	08N	14W	8 AADD	8	2081	3.9000	2077.10	10/26/84	OB	BR	NEWARK
	08N	14W	8 DDA	8	2081	3.0000	2078.00	10/26/84	OB	BR	NEWARK
	08N	14W	12 BAAA	12	2056	1.7000	2054.30	10/24/84	OB	BR	GIBBON S
	08N	14W	17 ADD	17	2085	5.1000	2079.90	10/26/84	OB	BR	NEWARK
	08N	14W	17 DAD	17	2081	1.6000	2079.40	10/26/84	OB	BR	NEWARK
	08N	14W	17 DDDD	17	2081	2.0000	2079.00	10/26/84	OB	BR	NEWARK
	08N	14W	19 DD	19	2089	5.3000	2083.70	10/24/84	OB	BR	NEWARK
	08N	14W	20 AND	20	2083	4.6000	2078.40	10/26/84	OB	BR	NEWARK
	08N	14W	23 BA	23	2067	5.2000	2061.80	10/24/84	OB	BR	GIBBON S
	08N	14W	28 BCCC	28	2091	10.3000	2080.70	10/26/84	OB	BR	NEWARK
	08N	14W	28 CCC	28	2100	16.4000	2083.60	10/26/84	OB	BR	NEWARK
	08N	15W	3 BRBB	3	2117	18.7600	2098.24	10/16/84	IR	GS	KEARNEY
	08N	15W	7 CCCC	7	2133	6.3500	2126.65	10/11/84	OB	GS	KEARNEY
	08N	15W	8 BABR	8	2129	15.6600	2113.34	10/11/84	IR	GS	KEARNEY
	08N	16W	3 CRCC	3	2164	10.1800	2153.82	10/11/84	IR	GS	KEARNEY
	08N	16W	6 CAAC	6	2177	7.2000	2169.80	10/16/84	ID	GS	ALFALFA C
	08N	17W	2 ANDD	2	2198	11.0000	2187.00	10/25/84	OB	BR	ALFALFA C
	08N	17W	4 BCBR	4	2216	8.8700	2207.13	10/16/84	IR	GS	ELM CK. EST
	08N	18W	3 ARBB	3	2245	12.5200	2232.48	10/17/84	IR	GS	ELM CRK E
	08N	18W	9 CDAD	9	2245	6.5800	2238.42	10/11/84	OB	GS	ELM CRK E
	09N	13W	4 ABBB	4	2036	17.2000	2018.80	10/24/84	IR	GS	GIBBON N
	09N	13W	13 AAAA	13	2014	14.5000	1999.50	10/25/84	OB	BR	SHELTON
	09N	13W	15 BCCC	15	2036	17.1000	2018.90	10/24/84	IR	GS	GIBBON N
	09N	13W	17 CCCD	17	2052	18.0600	2033.94	10/11/84	IR	GS	GIBBON S
	09N	13W	19 BRBR	19	2053	12.2700	2040.73	10/16/84	OB	GS	GIBBON S
	09N	13W	22 CCCR	22	2030	9.1300	2020.87	10/24/84	IR	GS	GIBBON S
	09N	13W	24 DDDD	24	2006	2.6000	2003.40	10/25/84	OB	BR	DENMAN
	09N	14W	1 DC	1	2057	23.4200	2033.58	10/17/84	OB	GS	GIBBON N
	09N	14W	3 DCCA	3	2079	26.2600	2052.74	10/15/84	IR	GS	BUCKEYE V.
	09N	14W	4 DCCC	4	2088	27.7000	2060.30	10/15/84	IR	GS	BUCKEYE V.
	09N	14W	5 ARAR	5	2105	38.4000	2066.60	10/28/84	OB	BR	BUCKEYE V.
	09N	14W	18 CARB	18	2099	27.0500	2071.95	10/17/84	OB	GS	GIBBON S
	09N	14W	19 DRBC	19	2102	30.0000	2072.00	10/17/84	IR	GS	NEWARK
	09N	14W	22 BRBC	22	2078	17.7000	2060.30	10/16/84	IR	GS	NEWARK
	09N	14W	25 BAAA	25	2061	15.3100	2045.69	10/17/84	IR	GS	GIBBON S
	09N	14W	25 DDD	25	2049	4.6000	2044.40	10/25/84	OB	BR	PLSTN SE
	09N	14W	30 CCCC	30	2098	18.9500	2079.05	10/17/84	OB	GS	NEWARK
	09N	14W	31 BRBC	31	2098	18.8000	2079.20	10/17/84	IR	GS	KEARNEY
	09N	14W	34 BRCC	34	2075	14.7000	2060.30	10/17/84	IR	GS	PLSTN SE
	09N	15W	1 ADAR	1	2144	68.6700	2075.33	10/17/84	OB	GS	BUCKEYE V.
	09N	15W	10 CC3	10	2139	36.3000	2100.70	10/16/84	IR	GS	PLSTN SE
	09N	15W	20 DCCD	20	2137	44.8000	2092.20	10/16/84	IR	GS	KEARNEY
	09N	16W	1 BRBA	1	2193	73.7000	2119.30	10/30/84	OB	BR	PLSTN SE
	09N	16W	6 BCC	6	2244	92.8900	2171.58	10/11/84	OB	GS	PLSTN SE

COUNTY	TOWNSHIP	RANGE	SECTION	SECTCLN	WT	DTW	DATE	WELLTYPE	MEASURER	TOPSHEET
BUFFALO	16N	16W	9	BCCC	34.100	2148.90	102484	IR	GS	RIVERDALE
	09N	16W	13	BCC	40.100	2109.90	101184	IR	GS	PLSNTN SE
	09N	16W	13	DRAA	36.450	2114.55	101184	OB	GS	KEARNEY
	09N	16W	24	DDCC	2193	84.630	210R.37	OB	GS	RIVERDALE
	09N	17W	3	HDCC	2278	74.320	2203.68	IR	GS	AMHERST
	09N	17W	7	C	2381	152.560	2228.44	IR	GS	RIVERDALE
	09N	17W	12	DDAC	2324	130.670	2193.33	OB	GS	AMHERST
	09N	17W	19	CDAA	2357	123.300	2233.70	OB	RR	ELM CRK E
	09N	17W	21	DDCA	2351	136.360	2214.64	OB	GS	ELM CRK E
	09N	17W	24	DDDN	2349	149.740	2199.26	OB	GS	ALFALFA C
	09N	17W	31	CDDN	2237	1.810	2235.19	OB	GS	ELM CRK E
	09N	18W	2	ABAA	2400	157.760	2242.24	OB	GS	AMHERST
	09N	18W	9	DRBR	2399	143.440	2255.56	IR	GS	MILLER SW
	09N	18W	17	BCCC	2302	30.200	2271.80	OB	BR	MILLER SW
	09N	18W	21	DDDD	2267	24.910	2242.09	OB	GS	ELM CRK E
	09N	18W	30	ABBA	2275	12.480	2262.52	IR	GS	ELM CRK W
	09N	18W	31	BRBR	2270	12.100	2257.90	IR	BR	ELM CRK W
	09N	18W	31	CCCC	2275	12.640	2262.36	IR	GS	ELM CRK W
	10N	13W	4	ACAC	2060	32.020	2027.98	IR	GS	GIBBON N
	10N	13W	6	BAAR	2148	98.010	2049.99	IR	GS	GIBBON N
	10N	13W	11	ABBA	2035	45.380	1989.62	IR	GS	SHELTON
	10N	13W	24	BC	2014	25.720	1988.28	IR	GS	SHELTON
	10N	13W	24	DAD	2009	29.710	1979.29	IR	GS	SHELTON
	10N	13W	26	CBCC	2024	23.150	2000.85	IR	GS	GIBBON N
	10N	13W	32	HRBC	2051	28.200	2022.80	OB	CP	GIBBON N.
	10N	13W	36	DDCC	2011	20.190	1990.81	IR	GS	SHELTON
	10N	14W	5	A	2185	99.200	2085.80	IR	GS	BUCKEYE V.
	10N	14W	13	ADDA	2100	35.170	2064.83	OB	GS	GIBBON N.
	10N	14W	21	D	2142	64.610	2077.39	IR	GS	BUCKEYE U.
	10N	14W	30	AACA	2155	60.760	2094.24	IR	GS	BUCKEYE U.
	10N	14W	36	AAAA	2070	41.270	2028.73	IR	GS	GIBBON N.
	10N	14W	36	BCBR	2095	35.900	2059.10	IR	GS	GIBBON N.
	10N	15W	2	AACA	2172	78.270	2094.73	IR	GS	BUCKEYE V.
	10N	15W	15	ARDC	2225	133.200	2091.80	IR	GS	PLSNTN SE
	10N	15W	16	ABC	2223	120.460	2102.54	IR	GS	BUCKEYE V.
	10N	15W	26	DDCC	2190	100.300	2089.70	IR	GS	PLSNTN SE
	10N	15W	29	D	2200	95.100	2049.90	IR	GS	BUCKEYE V.
	10N	15W	32	DAAD	2180	76.100	2103.90	OB	BR	PLSNTN SE
	10N	16W	5	DC	2262	127.290	2134.71	OB	GS	RIVERDALE
	10N	16W	12	B	2252	142.100	2109.90	IR	GS	PLSNTN SE
	10N	16W	20	CCDC	2241	105.100	2135.90	IR	GS	RIVERDALE
	10N	16W	25	DAAC	2202	96.100	2105.90	IR	GS	PLSNTN SE
	10N	16W	28	BACB	2222	86.100	2135.90	OB	GS	RIVERDALE
	10N	16W	36	DA	2200	92.800	2107.20	OB	GS	PLSNTN SE
	10N	17W	8	ADAD	2280	77.790	2202.21	IR	GS	AMHERST
	10N	17W	13	BBAR	2300	131.080	2168.92	IR	GS	RIVERDALE
	10N	17W	18	DDDR	2275	65.790	2209.21	IR	GS	AMHERST
	10N	17W	20	DDAC	2245	34.400	2210.60	OB	GS	AMHERST
	10N	17W	26	HADD	2217	49.700	2167.30	IR	GS	RIVERDALE
	10N	18W	10	HADD	2332	71.040	2260.96	IR	GS	AMHERST
	10N	18W	20	CABA	2475	193.910	2281.09	IR	GS	MILLER SW
	10N	18W	23	DCCN					BR	AMHERST
	10N	18W	28	ARDC	2431	164.350	2266.65	IR	GS	MILLER SW
	10N	18W	31	BA	2425	146.600	2278.40	IR	BR	MILLER SW
	10N	18W	34	CCAA	2091	74.960	2016.04	IR	GS	POOLE NE.

SECTION	TOWNSHIP	RANGE	LSD	DTW	WT	DATE	WELLTYPE	MEASURER	TOPSHEET
7	DFDA	2147	2034.65	110184	IR	GS	POOLE NE.	CAMERON	
13	BRBR	2126	133.010	101784	OB	GS	POOLE	POOLENE	
14	DCCC	2121	121.590	1999.41	IR	GS	POOLE	POOLE	
21	B	2110	83.600	2026.40	IR	GS	POOLE	POOLE	
1	DDAA	2060	32.980	2027.02	IR	GS	POOLE	POOLE	
7	DBR	2135	73.930	2061.07	IR	GS	POOLE	POOLE	
10	HCCB	2086	37.200	2048.80	IR	GS	POOLE	POOLE	
18	ARDD	2130	85.400	2044.60	IR	LL	POOLE	POOLE	
19	CCCD	2153	72.770	2080.23	IR	GS	POOLE	POOLE	
22	ADDA	2125	59.350	2065.65	IR	GS	POOLE	POOLE	
35	B	2175	115.030	2059.97	IR	GS	POOLE	NE.	
9	ARRA	2137	63.060	2073.94	IR	101784	PLSNTN	PLSNTN	
10	DCDN	2145	69.100	2075.90	IR	100184	PLSNTN	PLSNTN	
15	D	2138	56.600	2081.40	IR	102284	PLSTN	PLSTN	
19	ADBD	2167	71.400	2095.60	IR	GS	PLSTN	PLSTN	
5	CDBA	2129	17.900	2111.10	IR	102984	PLSTN	PLSTN	
13	RBDD	2220	127.300	2092.70	IR	102384	PLSTN	PLSTN	
15	AA	2164	49.700	2114.30	IR	102984	PLSTN	PLSTN	
15	DCCC	2185	64.400	2120.60	IR	100184	PLEASANTON	PLEASANTON	
19	RCB	2230	73.480	2156.52	IR	101784	PLSNTN	PLSNTN	
25	DDB	2190	73.000	2117.00	IR	GS	PLSNTN	PLSNTN	
30	AA	2270	116.300	2153.70	IR	102984	PLSTN	PLSTN	
6	ABCC	2320	105.900	2214.10	IR	103084	MILLER	MILLER	
9	CDD	2255	49.980	2205.02	IR	101884	MILLER	MILLER	
12	CDB	2260	100.200	2160.80	IR	102984	PLSTN	PLSTN	
17	A	2321	112.500	2208.50	IR	100184	MILLER	MILLER	
26	BCBA	2322	140.000	2182.00	IR	102984	PLSTN	PLSTN	
28	RAB	2381	183.270	2197.73	IR	101884	MILLER	MILLER	
36	BRDA	2310	138.700	2171.30	IR	102984	PLSTN	PLSTN	
6	ACR	2350	66.170	2283.83	IR	100184	MILLER	MILLER	
10	BRBR	2318	59.860	2258.14	IR	103084	MILLER	MILLER	
21	BDR	2330	60.660	2269.34	IR	103084	MILLER	MILLER	
24	ACDD	2310	69.700	2240.30	IR	103084	MILLER	MILLER	
16	C	2045	52.130	1992.87	IR	103184	ROCKVILLE	ROCKVILLE	
10	AACC	2048	59.960	1988.04	IR	103184	ROCKVILLE	ROCKVILLE	
20	CRCC	2031	25.790	2005.21	IR	101784	POOLE	POOLE	
26	CRCD	2010	17.080	1992.92	IR	103184	HAZARD	HAZARD	
30	DCAA	2051	44.220	2006.78	IR	103184	POOLE	POOLE	
36	AABB	2055	79.820	1975.18	IR	103184	CAMERON	CAMERON	
23	CDBR	2065	56.700	2008.30	IR	102284	POOLE	POOLE	
29	CDRR	2048	31.900	2016.10	IR	100184	HAZARD	HAZARD	
3	BRCR	2061	31.570	2029.43	IR	101784	POOLE	POOLE	
18	CRCC	2190	78.600	2107.30	IR	100184	LITCHFLDSW	LITCHFLDSW	
16	DCC	2155	47.700	2191.60	IR	103084	MILLER	MILLER	
20	CCAA	2249	57.400	2151.00	IR	100184	PLEASTONNW	PLEASTONNW	
22	ARCC	2163	12.000	2162.00	IR	102984	PLSTN	PLSTN	
27	CACA	2178	16.000	2196.91	IR	103184	MASON	MASON	
11	DRBC	2219	22.090	2272.80	IR	103084	C.SW	MASON	
18	DCCC	2310	37.200	2212.43	IR	101884	MILLER	MILLER	
25	ABC	2280	67.570	2262.33	IR	101884	IR	IR	
32	DAAA	2402	139.670	139.670	IR	139.670			

COUNTRY TOWNSHIP RANGE SECTION SECLOC

LSD

W/T

DATE WELLTYPE MEASURER TOPSHEET

CUSTER	17N	17W	17 BRDA	2387	170.000	2217.00	LL	MASONCTYSE
	17N	18W	15 DA	2293	55.000	2238.00	LL	MASONCTYSE
	17N	19W	16 AAAA	2315	47.800	2267.20	LL	MASON C SW
	17N	19W	25 DRAR	2272	29.700	2242.30	LL	MASON C SW
	17N	20W	2 BDDA	2361	54.900	2306.10	CP	EDYVIL NE
	17N	20W	14 DR	2405	54.200	2350.80	CP	EDYVIL NE
	17N	20W	31 CCA	2543	126.800	2416.20	CP	EDYVIL SW
	17N	21W	4 BRCP	2554	105.990	2448.01	GS	EDDYVILLE NW
	17N	21W	23 DRDR	2501	76.800	2424.20	GS	EDDYVILLE SW
	17N	21W	30 D	2695	218.410	2476.59	GS	OCONTO SE
	17N	21W	36 CAA	2481	54.700	2426.30	GS	EDDYVIL SW
	17N	23W	4 ABD	2807	243.900	2563.10	CP	OCONTO NW
	17N	17W	21 DDA	2252	50.400	2201.60	LL	MASON CITY
	17N	18W	20 HCC	2400	121.800	2278.20	LL	MASON CITY
	17N	19W	16 AABA	2450	119.500	2330.50	LL	MASON C
	17N	20W	16 BCDD	2390	40.700	2349.30	LL	EDDYVLL NE
	17N	21W	21H	2440	33.300	2406.70	LL	EDDYVLL NW
	17N	25W	22 AC	2900	210.800	2689.20	LL	ODCZ TB N
	15N	22W	18 CCAA	2591	70.600	2520.40	LL	CALLAWAY
	15N	22W	25 AAC	2470	7.600	2462.40	CP	OCONTO
	15N	22W	31 DRD	2675	122.900	2552.10	CP	OCONTO NW
	15N	24W	11 CDA	2705	88.700	2616.30	CP	MURPHY TB
	15N	24W	35 BR	2870	270.800	2590.20	CP	ROSEN V N
	16N	25W	1 AR	2675	21.000	2654.00	CP	ARNOLD
	16N	25W	30 DN8	3000	284.300	2715.70	CP	ARNOLD SW
DAWSON	08N	20W	5 BBC	2336	2.100	2333.90	BR	OVERTON
	09N	19W	6 BA	2345	26.600	2318.40	BR	LEXINTNSE
	09N	19W	8 BAHA	2328	15.490	2312.51	GS	LEXTN SE
	09N	19W	12 ACDB	2361	72.330	2288.67	GS	MILLER SW
	09N	19W	16 ARBR	2313	16.000	2297.00	BR	ELMCREEK W
	09N	19W	18 AAAA	2313	3.800	2309.20	CP	LXNGTN SE
	09N	19W	22 BAAA	2312	25.500	2286.50	CP	ELM CK W
	09N	19W	25 BRB	2289	16.000	2273.00	BR	ELMCREEK W
	09N	19W	29 D	2298	7.120	2290.88	GS	OVERTON
	09N	19W	31 CCCC	2310	.7.500	2302.50	CP	OVERTON
	09N	19W	33 BRC	2300	9.100	2290.90	BR	ELMCREEK W
	09N	19W	34 A	2295	15.050	2279.95	GS	ELM CRK W
	09N	19W	35 CCHC	2286	10.500	2275.50	CP	ELMCREEK W
	09N	20W	2 CCC	2339	10.400	2328.60	BR	LXNGTN SE
	09N	20W	5 BRCD	2367	20.200	2346.80	BR	LXNGTN E
	09N	20W	10 BRH	2346	15.200	2332.80	BR	LXNGTN SE
	09N	20W	12 ARBA	2333	11.900	2321.10	BR	LXNGTN SE
	09N	20W	16 HCH	2345	7.900	2337.10	BR	LXNGTN SE
	09N	20W	20 CAR	2350	8.100	2341.90	BR	BERTRANDNW
	09N	20W	22 CCCC	2338	12.300	2325.70	BR	OVERTON
	09N	20W	25 HARR	2320	7.100	2312.90	CP	OVERTON
	09N	20W	26 CCI	2323	5.000	2318.00	BR	OVERTON
	09N	20W	30 CCC	2348	4.200	2343.80	BR	BERTRANDNW
	09N	20W	31 AAAA	2342	6.000	2336.00	BR	BERTRANDNW
	09N	20W	32 ARB	2339	6.000	2333.00	BR	OVERTON
	09N	20W	32 ARB	2339	5.900	2333.10	BR	BERTRANDNW
	09N	20W	32 CND	2339	5.700	2333.30	BR	BERTRANDNW

DATE WELL TYPE MEASURER TOPSHEET

COUNTY TOWNSHIP RANGE	SECTION	SFC/LUC	LSI	DTW	WT	DATE	WELL	TYPE	MEASURER	TOPSHEET
DAWSON 09N 20W	33 BCCC	2332	5.000	2327.0	BR	102384	IR	BR	OVERTON	OVERTON
09N 20W	33 DDD	2328	4.800	2323.20	BR	102384	OB	BR	OVERTON	OVERTON
09N 20W	34 BRA	2330	8.100	2321.90	BR	102384	IR	BR	LEXINGTON	LEXINGTON
09N 21W	3 ARH	2382	6.800	2375.20	IR	102684	IR	BR	LXNGTN E	LXNGTN E
09N 21W	7 AADD	2390	6.100	2383.90	OB	102484	OB	BR	BERTRANDNW	BERTRANDNW
09N 21W	12 CRCD	2370	10.600	2359.40	IR	110784	IR	CP	BERTRANDNW	BERTRANDNW
09N 21W	14 CCCD	2369	7.600	2361.40	IR	110184	IR	BR	BERTRANDNW	BERTRANDNW
09N 21W	15 BRCC	2376	9.400	2366.60	IR	102684	IR	BR	LXNGTN SE	LXNGTN SE
09N 21W	19 AAC	2397	5.100	2391.60	IR	110784	OB	CP	JUHNS. LK	JUHNS. LK
09N 21W	31 DDNN	2388	7.500	2380.50	OB	102484	OB	BR	BERTRANDNW	BERTRANDNW
09N 21W	35 AAA	2355	3.900	2351.10	OB	102684	OB	BR	BERTRANDNW	BERTRANDNW
09N 21W	1 DCDD	2522	12.000	2510.00	OB	101884	OB	GS	JOHNSON LKE	JOHNSON LKE
09N 21W	35 AD	2356	4.500	2351.50	OB	102684	OB	BR	COZAD	COZAD
09N 22W	25 DCC	2412	7.500	2404.50	OB	102484	OB	BR	GOTHENBSE	GOTHENBSE
09N 22W	33 AAAA	2509	21.770	2487.23	OB	101884	OB	GS	LXNGTN SE	LXNGTN SE
09N 23W	2 DCD	2464	14.270	2449.73	OB	101884	IR	GS	MILLER SW	MILLER SW
09N 24W	1 DCDD	2522	12.000	2510.00	OB	102984	IR	GS	MILLER SW	MILLER SW
09N 19W	8 BCH	2406	73.900	2332.10	OB	103084	IR	BR	MILLER SW	MILLER SW
10N 19W	9 DRD	2398	85.500	2312.50	OB	110784	IR	CP	LXNGTN E	LXNGTN E
10N 19W	22 DCB	2375	66.000	2309.00	OB	103084	IR	BR	MILLER SW	MILLER SW
10N 19W	23 D	2415	126.200	2288.80	OB	102984	IR	GS	MILLER SW	MILLER SW
10N 19W	27 DRDD	2398	97.840	2300.16	OB	102984	IR	GS	MILLER SW	MILLER SW
10N 19W	35 DDNC	2344	53.300	2290.70	OB	102984	IR	GS	MILLER SW	MILLER SW
10N 19W	17 CCCC	2384	13.400	2370.60	OB	110784	OB	CP	LXNGTN E	LXNGTN E
10N 19W	21 CRBR	2386	25.300	2360.70	OB	110784	IR	CP	LXNGTN SE	LXNGTN SE
10N 19W	23 AAD	2415	126.200	2344.00	OB	102384	IR	BR	LXNGTN SE	LXNGTN SE
10N 19W	27 DRD	2398	17.000	2340.00	OB	102384	OB	BR	LXNGTN SE	LXNGTN SE
10N 19W	30 CRCC	2373	13.300	2359.70	OB	102984	IR	BR	LXNGTN E	LXNGTN E
10N 20W	35 CRBC	2346	11.100	2334.90	OB	102384	IR	BR	LXNGTN SE	LXNGTN SE
10N 20W	36 DAA	2368	46.300	2321.70	OB	102384	OB	BR	LXNGTN SE	LXNGTN SE
10N 20W	36 DD	2347	24.900	2322.10	OB	102384	OB	BR	LXNGTN SE	LXNGTN SE
10N 20W	27 DRDR	2357	17.000	2340.00	OB	102384	OB	BR	LXNGTN E	LXNGTN E
10N 20W	30 CRCC	2373	13.300	2359.70	OB	102984	IR	BR	LXNGTN E	LXNGTN E
10N 20W	35 CRBC	2346	11.100	2334.90	OB	102384	IR	BR	LXNGTN SE	LXNGTN SE
10N 20W	36 DAA	2368	46.300	2321.70	OB	102384	OB	BR	LXNGTN SE	LXNGTN SE
10N 21W	3 BRDR	2347	24.900	2322.10	OB	102384	OB	BR	LXNGTN SE	LXNGTN SE
10N 21W	4 AABR	2453	40.500	2412.50	OB	102984	IR	BR	LXNGTN E	LXNGTN E
10N 21W	6 DDAD	2430	40.800	2414.20	OB	102484	IR	GS	LEX. NF	LEX. NF
10N 21W	15 BDC	2410	7.200	2422.80	OB	110784	OB	CP	LXNGTN E	LXNGTN E
10N 21W	18 DDDN	2421	11.340	2396.00	OB	102984	IR	CP	LXNGTN SE	LXNGTN SE
10N 21W	27 ARA	2401	14.900	2409.66	OB	101884	OB	GS	LEXINGTON	LEXINGTON
10N 21W	5 BRAD	2494	8.800	2386.10	OB	102984	IR	BR	LXNGTN E	LXNGTN E
10N 21W	31 AAAA	2399	6.200	2392.80	OB	110784	OB	CP	COZAD	COZAD
10N 21W	6 DDAD	2430	13.300	2436.70	OB	110784	OB	CP	GOTHENBSE	GOTHENBSE
10N 22W	1 CRCB	2450	14.000	2410.50	OB	102984	IR	CP	MILLER SW	MILLER SW
10N 22W	10 ARBR	2454	11.500	2442.50	OB	110784	IR	CP	SUMNER	SUMNER
10N 22W	29 AAAA	2435	4.200	2430.80	OB	110784	OB	CP	SUMNER	SUMNER
10N 22W	5 BRAD	2494	8.800	2485.20	OB	110784	IR	CP	LEX. NW	LEX. NW
10N 23W	29 BRBR	2480	17.150	2462.85	OB	101884	OB	GS	SUMNER	SUMNER
10N 24W	7 BRBR	2542	12.730	2529.27	OB	101884	IR	GS	BUFFALO	BUFFALO
11N 19W	4 DRBC	2365	32.530	2332.47	OB	102384	IR	GS	BUFFALO	BUFFALO
11N 19W	4 DDND	2381	45.700	2335.30	OB	110884	IR	GS	RUFFALO	RUFFALO
11N 19W	14 DDAR	2380	61.680	2318.32	OB	103184	IR	GS	RUFFALO	RUFFALO
11N 19W	14 DDAB	2460	114.250	2345.75	OB	103084	IR	GS	RUFFALO	RUFFALO
11N 20W	2 DDCC	2415	57.690	2357.31	OB	102984	IR	GS	RUFFALO	RUFFALO
11N 20W	14 DDAR	2515	146.150	2368.85	OB	102984	IR	GS	RUFFALO	RUFFALO
11N 20W	18 ARAA	2495	88.700	2406.30	OB	110884	IR	CP	RUFFALO	RUFFALO
11N 20W	29 DAAD	2520	136.590	2383.41	OB	103084	IR	GS	RUFFALO	RUFFALO
11N 20W	35 CCBA	2454	90.900	2363.10	OB	110884	IR	CP	RUFFALO	RUFFALO
11N 21W	30 DCRC	2485	53.300	2431.70	OB	110784	IR	CP	RUFFALO	RUFFALO
11N 21W	31 ABAB	2472	40.200	2431.80	OB	110784	IR	CP	RUFFALO	RUFFALO
11N 21W	31 ARAR	2471	37.100	2433.90	OB	110784	IR	CP	RUFFALO	RUFFALO

COUNTY	TOWNSHIP	RANGE	SECTION	SEC LUC	WT	DATE	WELL TYPE	MEASURER	TOPSHEET
DAWSON	11N	21W	31	BRAZ	36.200	2433.80	IR	CP	BUFFALO
	11N	21W	31	DDAA	24.000	2425.00	OB	CP	BUFFALO
	11N	22W	4	HDBC	40.400	2479.60	OB	CP	BUFFALO
	11N	22W	7	DABR	33.600	2501.40	IR	CP	BUFFALO
	11N	22W	15	CRBC	63.000	2466.00	IR	CP	BUFFALO
	11N	22W	16	DAAD	41.100	2474.90	IR	CP	BUFFALO
	11N	22W	17	BARD	44.200	2485.80	IR	CP	BUFFALO
	11N	22W	20	CRRR	2501	1A.100	2482.90	IR	BUFFALO
	11N	22W	21	ACHC	2497	25.500	2471.50	IR	BUFFALO
	11N	22W	21	BAAR	2500	27.700	2472.30	IR	BUFFALO
	11N	22W	22	BABA	2520	52.700	2467.30	IR	BUFFALO
	11N	22W	25	ACBD	2498	66.300	2431.70	IR	BUFFALO
	11N	22W	25	BDRA	2495	49.700	2445.30	IR	BUFFALO
	11N	22W	25	CRBR	2482	36.400	2445.60	IR	BUFFALO
	11N	22W	26	BAAA	2477	26.000	2451.00	IR	BUFFALO
	11N	22W	27	BRCR	2483	23.500	2459.50	IR	BUFFALO
	11N	22W	28	AAB	2490	24.000	2466.00	IR	BUFFALO
	11N	22W	28	CARR	2480	21.700	2458.30	IR	BUFFALO
	11N	22W	29	ARAA	2491	19.700	2471.30	IR	BUFFALO
	11N	22W	29	CADD	2472	8.800	2463.20	IR	BUFFALO
	11N	22W	30	ARAR	2501	22.400	2478.60	IR	BUFFALO
	11N	22W	33	ACBC	2476	17.000	2459.00	IR	BUFFALO
	11N	22W	35	BAAA	2459	11.800	2447.20	IR	BUFFALO
	11N	23W	10	DAAR	2550	22.700	2527.30	IR	CUZAD NW
	11N	23W	27	DRCC	2511	21.700	2489.30	IR	COZAD NW
	11N	24W	4	ARA	2592	32.900	2559.10	IR	WILLOW IS
	12N	19W	4	DNBC	2365	61.130	2303.87	IR	MASON C-SW
	12N	19W	7	BCDR	2470	126.090	2343.91	IR	EDDYVILLE
	12N	19W	13	DCBR	2350	75.000	2275.00	IR	MASON C SW
	12N	19W	18	BDHD	2470	120.100	2349.90	IR	EDDYVILLE
	12N	19W	19	DAC	2410	82.300	2327.70	IR	SUMMER
	12N	20W	1	BCBA	2485	133.770	2351.23	IR	EDDYVILLE
	12N	20W	1	DDHR	2420	84.200	2335.80	IR	LEX. SE
	12N	20W	9	ACAC	2622	234.250	2387.75	IR	EDDYVILLE
	12N	20W	18	AAC	2482	71.400	2410.60	IR	EDDYV. SW
	12N	20W	28	CRC	2424	31.200	2392.80	IR	SUMMER
	12N	20W	32	DDB	2429	38.700	2390.30	IR	SUMMER
	12N	21W	6	DACC	2550	87.800	2462.20	IR	OCONTO SE
	12N	21W	12	AABA	2465	43.700	2421.30	IR	EDDYVLESW
	12N	21W	12	ACCA	2492	58.640	2433.36	IR	OCONTO SE
	12N	21W	14	ACCA	2475	53.580	2421.42	IR	EDDYV. SW
	12N	21W	24	CDBR	2470	35.360	2434.64	IR	LEX. NW
	12N	21W	33	CPCA	2639	143.600	2495.40	IR	RUFFALO
	12N	22W	10	BCD	2595	88.800	2506.20	IR	RUFFALO
	12N	22W	21	BRAD	2616	100.500	110884 IR	CP	RUFFALO
	12N	22W	21	DABA	2665	117.100	2547.90	IR	OCONTO SW
	12N	22W	28	BAAA	2572	73.000	2499.00	IR	CUZAD NW
	12N	22W	33	ACCA	2563	64.300	2498.70	IR	ROSEN V S
	12N	22W	33	BRBR	2581	63.600	2517.40	IR	NDCR T SO
	12N	22W	33	BCCC	2576	73.700	2502.30	IR	GOTHENRG
	12N	23W	5	ACA	2607	48.500	2558.50	IR	CP
	12N	23W	18	HRA	2662	83.500	2578.50	IR	CP
	12N	24W	17	CRDC	2712	122.700	2589.30	IR	CP
	12N	25W	34	CCR	2612	36.300	2575.70	IR	CP

COUNTY	TOWNSHIP	RANGE	SECTION	SPOTLOC	LSD	DTW	WT	DATE	WELLTYPE	MEASURER	TOPSHEET
GOSPER	07N	21W	6	BCH	2467	48.730	2419.27	101184	OH	GS	ELWOOD
	07N	21W	15	HR	2505	152.640	2387.36	101184	OH	GS	BERTRAND
	08N	22W	14	AADD	2605	136.790	2468.21	101184	IR	TR	JOHNSON LK
	08N	22W	21	CRBA	2522	49.760	2472.24	101184	IR	TR	JOHNSON LK
	08N	23W	4	AFAA	2630	80.180	2549.82	101184	IR	TR	ELWOOD NW
HALL	09N	09W	9	DCA	1932	59.700	1872.30	112784	IR	CP	DONIPHAN
	09N	09W	14	AAB	1915	60.130	1854.87	101084	IR	GS	DUNIPHAN
	09N	09W	21	CCCC	1936	68.100	1867.70	112784	IR	CP	TRUMBULL
	09N	09W	26	CAA	1922	73.300	1848.70	102784	IR	CP	TRUMBULL
	09N	10W	2	DDDD	1919	27.800	1891.20	112784	IR	CP	ALDA
	09N	10W	3	BGBR	1905	3.900	1901.10	102484	OB	BR	ALDA
	09N	10W	3	CCCC	1904	3.200	1900.80	102484	OB	BR	ALDA
	09N	10W	3	CCCC	1907	7.000	1900.00	102484	OB	BR	ALDA
	09N	10W	4	DCCC	1908	2.300	1905.70	102784	IR	CP	ALDA
	09N	10W	6	BRH	1923	9.100	1913.90	102584	OB	BR	ALDA
	09N	10W	7	CDCD	1936	15.240	1920.76	110584	IR	GS	ALDA
	09N	10W	16	AAAA	1921	21.000	1900.00	102484	OB	BR	ALDA
	09N	10W	19	DCDD	1991	72.600	1918.40	110584	IR	GS	HASTINGSNW
	09N	10W	23	ABHA	1971	81.500	1889.50	102784	IR	CP	HASTINGSNW
	09N	10W	33	DRAA	2007	111.590	1895.41	110584	IR	GS	HASTINGSNW
	09N	11W	7	CCC	1965	6.100	1958.90	102584	OB	BR	WOOD RIVER
	09N	11W	8	HCB	1955	7.310	1947.69	100484	IR	GS	WOOD RIVER
	09N	11W	10	CCCC	1946	2.800	1943.20	102484	OB	BR	WOOD RIVER
	09N	11W	14	ACCD	1945	9.390	1935.61	110584	IR	GS	PROSSER
	09N	11W	21	BRBB	1958	8.100	1949.90	102784	OB	CP	PROSSER
	09N	11W	28	DDDD	2025	78.620	1946.38	110584	IR	GS	WOOD RIVER
	09N	12W	1	DCCC	1964	7.590	1956.41	100484	IR	GS	WOOD RIVER
	09N	12W	9	BAA	2002	20.410	1981.59	100484	IR	GS	SHELTON
	09N	12W	14	CCCC	1982	8.280	1973.72	100484	IR	GS	DENMAN
	09N	12W	20	BCCB	2001	7.640	1993.36	100484	IR	GS	DENMAN
	09N	12W	33	AADD	1994	4.800	1989.20	102484	OB	HR	DENMAN
	09N	12W	35	DDDD	1996	22.130	1973.87	110584	IR	GS	DENMAN
	09N	12W	35	CRBR	1857	4.700	1852.30	102784	MW	CP	DONIPHAN
	09N	12W	4	CRRR	1863	5.500	1857.50	102784	MW	CP	DONIPHAN
	09N	12W	5	BRRR	1867	7.000	1860.00	102484	OB	BR	ALDA
	09N	12W	17	BRBB	1876	5.600	1870.40	102484	OB	BR	ALDA
	09N	12W	28	CCCC	1887	14.300	1872.70	102784	IR	CP	DONIPHAN
	09N	12W	34	DAAA	1929	78.300	1850.70	112784	IR	CP	DONIPHAN
	09N	10W	1	0W	1894	10.150	1883.85	100484	IR	GS	ALDA
	09N	10W	7	CCBC	1922	16.130	1905.87	102484	OB	BR	ALDA
	09N	10W	22	CRB	1899	6.900	1892.10	100484	IR	GS	ALDA
	09N	10W	8	CCAC	1920	21.240	1898.76	100484	IR	GS	ALDA
	09N	10W	13	DDD	1875	4.400	1870.60	102484	OB	BR	ALDA
	09N	10W	16	DBBR	1897	7.470	1880.53	110584	IR	GS	ALDA
	09N	10W	20	CDDF	1912	10.010	1901.99	100484	IR	GS	ALDA
	10N	10W	1	0W	1899	16.130	1905.87	102484	OB	BR	ALDA
	10N	10W	22	CCBR	1897	4.100	1892.90	102484	OB	BR	ALDA
	10N	10W	27	BCC	1899	2.900	1896.10	102484	OB	BR	ALDA
	10N	10W	27	CRBR	1900	3.700	1896.30	102484	OB	BR	ALDA
	10N	10W	28	AAD	1897	1.600	1895.40	102464	OB	BR	ALDA
	10N	10W	30	HCCC	1920	8.420	1911.58	100484	IR	GS	ALDA
	10N	10W	30	CCCB	1919	5.100	1913.90	102584	OB	HR	ALDA
	10N	10W	33	ADU	1901	1.100	1899.90	102484	OB	HR	ALDA

COUNTY	TOWNSHIP	RANGE	SECTION	SECTLOC	LSD	DTW	WT	DATE	WELLTYPE	MEASURER	TOPSHEET
HALL	10N	10W	33	DAA	1905	3.500		1901.50	BR	ALDA	
	10N	10W	33	DAA	1903	1.900		1901.10	02484	ALDA	
	10N	11W	8	CCBR	1957	24.340		1932.66	0484	WOOD RIVER	
	10N	11W	11	BRH	1942	26.440		1915.56	0484	WOOD RIVER	
	10N	11W	15	CDD	1944	17.510		1926.49	0484	WOOD RIVER	
	10N	11W	30	ARBA	1962	20.000		1942.00	12884	WOOD RIVER	
	10N	11W	30	HCCR	1969	19.470		1949.53	0484	WOOD RIVER	
	10N	12W	4	CCCR	1989	34.320		1954.68	0384	SHELTON	
	10N	12W	8	CC	1993	32.120		1960.88	0384	WOOD RIVER	
	10N	12W	12	DDDD	1962	24.310		1937.69	0484	WOOD RIVER	
	10N	12W	15	BCCR	1990	37.530		1952.47	0884	SHELTON	
	10N	12W	18	BRBA	2001	30.470		1970.53	0384	SHELTON	
	10N	12W	18	CC	2006	29.560		1976.44	0384	SHELTON	
	10N	12W	24	DDDD	1967	19.220		1947.78	0484	WOOD RIVER	
	10N	12W	27	CCCD	1988	20.450		1967.55	0484	SHELTON	
	10N	12W	36	DDDD	1970	16.460		1953.54	0484	WOOD RIVER	
	10N	09W	1	AABA	1819	1.700		1917.30	2784	GRAND IS.	
	11N	09W	12	DCCC	1828	7.000		1921.00	02784	GRAND IS.	
	11N	09W	24	ARCR	1842	9.200		1932.80	02784	GRAND I.	
	11N	09W	26	AAAA	1837	2.400		1934.60	02784	GRAND IS.	
	11N	09W	27	RCHD	1845	11.400		1935.60	02784	GRAND IS.	
	11N	09W	28	HAAA	1853	12.000		1841.00	02784	GRAND IS.	
	11N	09W	29	BRBA	1875	17.000		1858.00	02784	GRAND IS.	
	11N	09W	34	CRBB	1853	1.800		1851.20	02784	GRAND IS.	
	11N	09W	35	DCCC	1846	4.000		1842.00	02784	DONIPHAN	
	11N	09W	1	CCCC	1871	2.900		1868.10	02784	GRAND IS.	
	11N	10W	14	DDDD	1877	7.800		1869.20	02784	ABOTT	
	11N	10W	16	BBBB	1892	7.240		1884.76	02784	ABOTT	
	11N	10W	21	DC	1897	13.500		1883.50	02784	ABOTT	
	11N	10W	23	CRCB	1887	8.100		1878.90	02984	ABOTT	
	11N	10W	24	CARB	1881	9.100		1871.90	02784	ABOTT	
	11N	10W	27	DCCC	1894	11.460		1882.54	02784	ABOTT	
	11N	10W	29	DRU	1905	11.300		1893.70	12684	ABOTT	
	11N	10W	31	AABA	1909	12.000		1897.00	10184	ABOTT	
	11N	11W	3	DDDR	1907	10.340		1896.66	10584	SHELDON	NE
	11N	11W	9	CKH	1934	23.990		1910.01	0384	SHELTON	NE
	11N	11W	17	ACA	1936	30.400		1905.60	2784	SHELTON	NE
	11N	11W	22	BCH	1927	21.000		1906.00	02784	SHELTON	NE
	11N	11W	25	CCCC	1924	17.290		1906.71	0384	SHELTON	NE
	11N	11W	28	CCCC	1938	32.400		1905.60	12684	ABOTT	
	11N	11W	28	RDB	1941	28.300		1912.70	12684	SHELTON	NE
	11N	11W	34	CRCC	1938	25.550		1912.45	0384	SHELTON	NE
	11N	11W	36	CRAB	1924	23.660		1900.34	12884	SHELTON	NE
	11N	11W	36	DDDD	1917	18.700		1898.30	01884	ABOTT	
	11N	12W	4	ACC	2090	158.600		1931.40	12884	CAMERON	
	11N	12W	4	HAC	2095	157.200		1937.80	12884	CAMERON	
	11N	12W	7	D	2100	135.630		1964.37	0384	CAMERON	
	11N	12W	10	BRBP	2092	170.800		1921.20	12884	CAMERON	
	11N	12W	12	BCB	1950	33.180		1916.82	0384	SHELTON	NE
	11N	12W	12	CD&C	1946	29.300		1916.70	0384	SHELTON	NE
	11N	12W	12	DDDA	1971	25.440		1915.56	0384	SHELTON	NE
	11N	12W	15	BCA	2000	74.900		1925.10	02784	CAMERON	
	11N	12W	24	CCCF	1954	29.520		1924.48	0384	CAMERON	
	11N	12W	25	ADAA	1950	30.560		1919.44	0384	SHELTON	NE
	11N	12W	28	HRRA	1989	43.300		1945.70	12684	CAMERON	

COUNTY	TOWNSHIP	RANGE	SECTION	SECT/LINE	DTW	WT	DATE	WELL TYPE	MEASURER	TOPSHEET	
HALL	11N	12W	31	CBRC	41 • 480		1973.52	IR	6S	CAMERON	
	11N	12W	32	DDDC	31 • 360		1953.64	IR	6S	SHELTON	
	11N	12W	34	DCDN	1985	5.400	1973	IR	6S	SHELTON	
	12N	09W	3	CDCN	1973	33.060	1939.94	IR	6S	ST.LIBORY	
	12N	09W	11	CCCD	1845	13.200	1831.80	IR	CP	ST.LIBORY	
	12N	09W	25	AAA	1836	12.000	1924.00	IR	CP	GRAND IS.	
	12N	09W	25	CDCC	1829	10.000	1R19.00	IR	CP	GRAND IS.	
	12N	09W	27	Cn	1837	10.700	1826.30	IR	CP	GRAND IS.	
	12N	09W	29	CCCC	1843	5.400	1837.60	IR	CP	GRAND I.	
	12N	09W	32	AAB	1863	9.900	1853.10	IR	CP	ABOTT	
	12N	09W	32	CCCC	1858	12.500	1845.50	IR	CP	GRAND IS.	
	12N	09W	14	CCBR	1864	10.500	1853.50	IR	CP	ABOTT	
	12N	09W	33	ADD	1846	5.300	1840.70	IR	CP	GRAND IS.	
	12N	09W	33	CCDN	1854	11.800	1842.20	IR	CP	GRAND I.	
	12N	09W	36	CAAA	1842	13.500	1828.50	MW	CP	GRAND IS.	
	12N	10W	3	CDDN	1899	6.740	1892.26	IR	GS	ST.PAUL SW	
	12N	10W	14	CCBR	1877	11.800	1865.20	IR	CP	ST.PAUL SW	
	12N	10W	14	CDD	1879	14.500	1864.50	IR	CP	ST.PAUL SW	
	12N	10W	16	BACC	1893	4.460	1888.54	IR	GS	ST.PAUL SW	
	12N	10W	23	DRDC	1871	12.600	1858.40	IR	CP	ABOTT	
	12N	10W	25	ACCC	1868	13.900	1854.10	IR	CP	ABOTT	
	12N	10W	33	CRBR	1888	11.600	1876.40	IR	GS	ABOTT	
	12N	10W	35	ARRC	1871	9.220	1861.78	IR	GS	ABOTT	
	12N	11W	2	ARDC	1938	39.400	1898.60	IR	BR	DANNEBROG	
	12N	11W	7	CCCD	1964	49.610	1914.39	OB	GS	DANNEBROG	
	12N	11W	11	CDBA	1930	22.870	1907.13	OB	GS	DANNEBROG	
	12N	11W	13	AA	1908	8.490	1899.51	IR	GS	ST.PAUL SW	
	12N	11W	17	ARAD	1945	26.710	1918.29	IR	GS	DANNEBROG	
	12N	11W	19	DDCC	1949	40.780	1908.22	IR	GS	SHELTON NE	
	12N	11W	24	CDDD	1901	6.960	1894.04	OB	GS	SHELTON NE	
	12N	11W	30	ARRB	1944	32.230	1911.77	OB	GS	SHELTON NE	
	12N	11W	31	CCCC	1939	30.760	1908.24	IR	GS	SHELTON NE	
	12N	11W	34	ARBA	1909	11.690	1897.31	IR	GS	SHELTON NE	
	12N	12W	1	ARDA	1930	15.800	1914.20	IR	GS	DANNEBROG	
	12N	12W	4	CCBA	1930	8.570	1921.43	IR	GS	ROELUS	
	12N	12W	5	A	1922	6.390	1915.61	IR	GS	ROELUS	
	12N	12W	10	AACD	1940	16.940	1923.06	IR	GS	ROELUS	
	12N	12W	21	CRBR	2000	47.220	1952.78	IR	GS	CAMERON	
	12N	12W	24	ADDR	1950	45.260	1904.74	IR	GS	SHELTON NE	
	12N	12W	34	ARDR	2060	122.140	1937.86	IR	GS	CAMERON	
	12N	12W	36	DDDA	1939	28.430	1910.57	OB	GS	SHELTON NE	
	HAMILTON	10N	07W	6	DRC	1877	104.200	1772.80	IR	BA	GILTNER
		10N	08W	2	DCC	1897	97.090	1790.91	IR	BA	GILTNER
		10N	08W	7	CRD	1902	66.760	1835.24	IR	BA	DUNIPHAN
		10N	08W	8	DDDC	1900	77.060	1822.94	IR	BA	GILTNER
		10N	08W	15	ADD	1875	73.980	1801.02	IR	BA	GILTNER
		10N	08W	24	ARAR	1860	86.400	1773.60	IR	BA	GILTNER
		11N	07W	5	BRHA	1859	86.610	1772.39	IR	BA	PHILLIPS
		11N	07W	7	RADD	1866	86.670	1779.33	IR	BA	PHILLIPS
		11N	08W	12	ACB	1868	83.200	1784.80	IR	BA	PHILLIPS
		11N	08W	14	BRAC	1802	4.330	1797.67	IR	BA	PHILLIPS
		11N	08W	28	BRCD	1845	52.740	1812.26	IR	BA	PHILLIPS
		12N	06W	3	CPDD	1820	110.300	1709.70	IR	BA	CENTRAL CE

COUNTY	INWNSHIP	RANGE	SECTION	SFCLOC	LSD	DTW	WT	DATE	WELLTYPE	MEASURER	TUPSCHEET
HAMILTON	12N	06W	8 DFDA	1841	115.070	1725.93	111384	IR	BA	CENTRAL CW	
	12N	07W	13 CDD	1845	106.500	1738.50	110584	IR	CP	CENT.CITYW	
	12N	07W	24 BAUD	1848	109.580	1738.42	111384	IR	BA	MURPHY	
	12N	05W	14 CDBA	1769	110.950	1658.05	111484	IR	BA	PULK	
	12N	05W	31 ADC	1786	102.260	1683.74	111484	IR	BA	CENTRAL CE	
	12N	05W	34 BCCD	1765	96.430	1668.57	111484	IR	BA	CENTRAL CE	
	12N	06W	27 CCH	1711	10.030	1700.97	111384	IR	BA	CENTRAL CE	
	12N	05W	35 AAAD	1650	3.430	1646.57	111484	IR	BA	CLARKS	
HOWARD	13N	09W	3 DDUD	1855	21.6000	1833.40	102984	IR	HR	ST.LIBORY	
	13N	09W	7 CADD	1871	11.6000	1859.40	102884	IR	CP	ST.LIBORY	
	13N	09W	17 ARCC	1880	17.5000	1862.50	102884	IR	CP	ST.LIBORY	
	13N	09W	20 DRCC	1869	6.0000	1863.00	103084	IR	HR	ST.LIBORY	
	13N	09W	22 ADA	1852	8.9000	1843.10	110584	IR	HR	ST.LIBORY	
	13N	09W	26 DDDD	1818	7.1000	1810.90	102884	OB	CP	ST.LIBORY	
	13N	09W	31 DPAQ	1869	5.4000	1863.60	102884	OB	CP	ST.PAULSW	
	13N	09W	35 ARAR	1820	5.9000	1814.10	102884	IR	CP	ST.LIBORY	
	13N	10W	4 BR	1828	6.1000	1821.90	102884	IR	CP	ST.PAUL	
	13N	10W	8 BCCC	1839	6.9000	1832.10	103084	IR	BR	ST.PAUL SW	
	13N	10W	11 CCBA	1910	18.9000	1891.10	102884	IR	CP	ST.PAULSW	
	13N	10W	16 ARDA	1888	9.6000	1878.40	100184	IR	LL	ST. PAUL SW	
	13N	10W	25 BDRA	1900	8.8000	1891.20	102884	IR	CP	ST.PAULSW	
	13N	10W	28 A	1920	20.7000	1899.30	103084	IR	BR	ST.PAUL SW	
	13N	10W	29 B	1897	8.6000	1888.40	103084	IR	BR	ST.PAUL SW	
	13N	10W	34 CNBA	1910	7.8400	1902.16	110584	IR	GS	ST.PAUL SW	
	13N	10W	34 D	1908	9.4000	1898.60	110584	IR	BR	ST.PAUL SW	
	13N	11W	23 CABD	1860	5.1000	1854.90	100184	IR	LL	DANNEBROG	
	13N	11W	32 CCC	1921	7.0000	1914.00	103084	DM	BR	DANNEBROG	
	13N	11W	33 CCCD	1910	8.3000	1901.70	110584	IR	CP	DANNEBROG	
	13N	11W	36 BCAB	1898	7.3000	1890.70	110584	IR	CP	DANNEBROG	
	13N	11W	36 CCBC	1920	15.6000	1904.40	110384	IR	GS	DANNEBROG	
	13N	12W	22 DCAB	1907	2.6000	1904.40	100184	IR	LL	BUELUS	
	13N	09W	1 C	1825	12.6000	1812.40	102884	IR	CP	DANNEBROG	
	14N	09W	4 ADAB	1840	11.9000	1828.10	102884	IR	CP	DANNEBROG	
	14N	09W	11 BBRR	1828	10.3000	1817.70	102884	IR	CP	DANNEBROG	
	14N	09W	13 CDDD	1848	22.4000	1825.60	102984	IR	BR	PALMER	
	14N	09W	15 ARC	1835	7.8000	1827.20	100184	IR	LL	PALMER	
	14N	09W	17 C	1850	23.3000	1826.70	110584	IR	CP	ST.PAUL	
	14N	09W	26 DC	1845	18.5000	1826.50	102884	IR	CP	PALMER	
	14N	09W	27 CDDC	1852	11.4000	1840.60	103084	IR	BR	ST.LIBORY	
	14N	09W	29 CAAD	1880	35.8000	1844.20	102884	IR	CP	ST.PAUL	
	14N	09W	36 AAD	1834	16.3000	1817.70	102884	IR	CP	PALMER	
	14N	10W	2 ADBC	1782	10.0000	1772.00	110584	IR	BR	ST.PAUL	
	14N	10W	15 ADAC	1796	10.1000	1785.90	100184	IR	LL	ST. PAUL	
	14N	10W	26 BDHA	1820	10.5000	1809.50	102884	IR	CP	ST.PAUL	
	14N	09W	35 D	1900	32.3000	1867.70	103084	IR	HR	NYSTED	
	14N	11W	21 DRU	1911	15.6000	1895.40	100184	IR	LL	BELGRADE SW	
	15N	08W	22 DABD	1726	12.7000	1713.30	100184	IR	LL	WOLBACHSW	
	14N	09W	19 CAHC	1780	10.9000	1769.10	102884	IR	CP	CUSHING	
	15N	09W	23 CDAD	1772	6.5000	1765.50	100184	IR	CP	PALMER	
	15N	09W	28 DRCD	1840	21.1000	1818.90	102884	IR	CP	ST.PAUL	
	15N	09W	30 BAC	1780	11.5000	1768.50	102884	IR	CP	PALMER	
	15N	09W	34 DN	1830	14.2000	1815.80	102884	IR	CP		

COUNTY	TOWNSHIP	RANGE	SECTION	SFC/LOC	WT	DATE	WELL TYPE	MEASURER	TOPSHEET	
LSD			DTW		WT					
HOWARD	15N	09W	36	DDAD	18.7000	102884	IR	CP	PALMER	
	15N	10W	26	HCRC	12.7000	100184	IR	LL	ST. PAUL	
KEARNEY	07N	13W	10	CCAD	60.5200	101784	IR	TB	HEARTWELL	
	07N	13W	19	DCHR	62.4200	101784	IR	TB	HEARTWELL	
	07N	13W	23	A	59.9800	101784	IR	TB	HEARTWELL	
	07N	13W	29	CCHC	2055	101784	IR	TB	HEARTWELL	
	07N	14W	3	ACHR	65.5200	2020.48	101784	IR	HEARTWELL	
	07N	14W	7	DDD	18.4700	2078.53	101784	IR	MINDEN N	
	07N	14W	20	BAA	2121	23.4000	2097.60	IR	MINDEN N	
	07N	14W	27	AB	2156	57.8200	2098.18	IR	MINDEN NRT	
	07N	15W	7	AA	2123	54.3000	2068.70	IR	MINDEN N	
	07N	15W	2143	2.9000	2140.10	101784	IR	TB	KEARNEY SE	
	07N	15W	2149	15.4000	2133.60	102484	OB	BR	KEARNEY SE	
	07N	15W	2133	10.9400	2122.06	101684	IR	GS	MINDEN NRT	
	07N	15W	2137	25.6000	2111.40	102484	OB	BR	MINDEN N	
	07N	16W	4	DD	2169	4.8000	2164.20	OB	BR	KEARNEY SE
	07N	16W	9	BCC	2178	4.1500	2173.85	IR	GS	KEARNEY SW
	07N	16W	14	AA	2163	5.5000	2157.50	OB	BR	KEARNEY SE
	07N	16W	17	BC	2195	12.2000	2182.80	OB	BR	KEARNEY SW
	07N	13W	14	CBCC	2035	15.3300	2019.67	IR	TB	GIBRON S
	08N	13W	29	D	2060	17.3700	2042.63	IR	TB	GIBRON S
	08N	14W	20	ADDD	2083	4.6000	2078.40	OB	BR	NEWARK
	08N	14W	23	BA	2067	5.2000	2061.80	OB	GS	GIBRON N
	08N	14W	28	BCCC	2091	10.3000	2080.70	OB	BR	NEWARK
	08N	14W	28	CCCC	2100	16.4000	2083.60	OB	BR	NEWARK
	08N	15W	21	DCC	2119	7.9000	2111.01	OB	GS	KEARNEY
	08N	15W	24	BRH	2103	5.5000	2097.50	OB	BR	NEWARK
	08N	15W	24	CCCC	2104	6.6000	2097.40	OB	BR	NEWARK
	08N	16W	24	CC	2143	5.5000	2137.50	OB	BR	KEARNEY
	08N	16W	28	AA	2159	6.4000	2152.60	OB	BR	KEARNEY
	08N	16W	29	BR	2172	6.5000	2165.50	OB	BR	ALFALFA C
MERRICK	11N	0RW	8	BBBB	1821	11.0000	1810.00	IR	GRAND IS.	
	11N	0RW	10	BABR	1801	4.1000	1796.90	OB	PHILLIPS	
	11N	0RW	17	CDCD	1824	10.6900	1813.31	IR	GRAND J.	
	12N	07W	4	DCCD	1756	8.9000	1747.10	IR	CENT. CITY W	
	12N	07W	7	AAAA	1762	6.0000	1756.00	OB	CHAPMAN	
	12N	07W	17	RCCC	1758	9.0000	1759.00	IR	CHAPMAN	
	12N	07W	18	RR	1768	3.9000	1764.10	OB	CHAPMAN	
	12N	07W	19	BRBR	1775	12.1000	1762.90	OB	CHAPMAN	
	12N	07W	19	CCCC	1776	5.6000	1770.40	OB	PHILLIPS	
	12N	08W	4	DDCC	1806	20.2900	1785.71	IR	CHAPMAN	
	12N	08W	7	DCCD	1818	10.5000	1807.50	IR	ST. LIBORY	
	12N	08W	12	CCCC	1775	6.0000	1769.00	OB	CHAPMAN	
	12N	08W	14	CCBC	1794	5.7400	1778.26	IR	CHAPMAN	
	12N	08W	16	CCCA	1812	11.9000	1800.10	OB	HORN	
	12N	08W	20	CCDD	1825	16.1000	1808.90	OB	GRAND IS.	
	12N	08W	27	DDCR	1795	6.5000	1788.50	OB	PHILLIPS	
	12N	08W	28	DRCC	1800	4.4000	1795.60	OB	PHILLIPS	
	12N	08W	36	AAAA	1777	3.8000	1773.20	OB	PHILLIPS	
	13N	06W	4	BRCC	1704	11.0000	1693.00	OB	HORN	
	13N	06W	8	CCDN	1711	6.4900	1704.51	OB	GS	
	13N	06W	15	CRD	1703	7.8000	1695.20	OB	CP	

COUNTY	TOWNSHIP	RANGE	SFC	LOC	SECTION	WT	DTW	DATE	WELLTYPE	MEASURER	TOPSHEET	
MERRICK	13N	06W	28	KABR	1712	5.6000		1706.40	OR	CP	CENT.CITYW	
	13N	07W	7	CCDC	1766	9.9000		1756.10	IR	CP	CHAPMAN	
	13N	07W	10	CCDC	1745	8.9000		1736.10	IR	CP	CENT.CITYW	
	13N	07W	16	CCRP	1756	15.6000		1740.40	IR	CP	CHAPMAN	
	13N	07W	22	DCC	1738	7.3000		1730.70	IR	CP	CENT.CITYW	
	13N	07W	24	DAAA	1719	5.2000		1713.80	OF	CP	CENT.CITYW	
	13N	07W	27	BCCR	1739	7.2000		1731.80	IR	CP	CENT.CITYW	
	13N	07W	30	CCCR	1775	16.5000		1758.50	IR	CP	CHAPMAN	
	13N	07W	36	CRB	1737	11.0000		1726.00	IR	CP	CENT.CITYW	
	13N	08W	1	CRC	1765	7.0000		1758.00	IR	CP	CHAPMAN	
	13N	08W	2	BCCC	1771	5.6500		1765.35	IR	GS	ARCHER	
	13N	08W	9	CDCC	1785	8.8000		1776.12	IR	GS	CHAPMAN	
	13N	08W	10	CDC	1779	7.1000		1771.90	IR	CP	CHAPMAN	
	13N	08W	13	DACD	1774	14.3000		1759.70	IR	CP	CHAPMAN	
	13N	08W	14	CCCD	1780	10.6000		1769.40	IR	CP	CHAPMAN	
	13N	08W	19	ACRD	1805	8.2700		1796.73	IR	GS	ST LIBORY	
	13N	08W	19	CCCR	1807	8.1000		1798.90	IR	BR	ST LIBORY	
	13N	08W	27	DDDD	1791	11.8100		1779.19	IR	GS	CHAPMAN	
	13N	08W	28	BRCC	1795	9.0300		1785.97	IR	GS	CHAPMAN	
	13N	08W	31	CDCC	1814	8.8000		1805.20	IR	CP	ST LIBORY	
	13N	08W	32	DNCC	1804	8.8000		1795.20	IR	CP	ST LIBORY	
	13N	08W	18	BRBR	1626	4.1000		1621.90	IR	CP	CLARKS	
	13N	05W	3	DDAC	1635	11.4500		1623.55	IR	GS	CLARKS	
	13N	05W	4	BRCC	1643	7.4000		1635.60	IR	CP	POLK NW	
	13N	05W	4	CRB	1645	11.4000		1633.60	IR	CP	POLK NW	
	13N	05W	7	BRBR	1654	5.5000		1648.50	IR	CP	POLK NW	
	13N	05W	9	CCCR	1650	8.0000		1642.00	IR	CP	POLK NW	
	13N	05W	15	DACR	1644	8.2000		1635.80	IR	CP	POLK NW	
	14N	05W	17	DDDD	1658	11.4000		1646.60	IR	CP	POLK NW	
	14N	05W	28	CRB	1660	7.4000		1652.60	IR	CP	POLK NW	
	14N	05W	31	BCCR	1672	5.7000		1666.30	IR	CP	POLK NW	
	14N	05W	2	CCCC	1670	6.2000		1663.80	IR	CP	POLK NW	
	14N	06W	9	BRBR	1702	5.4000		1696.60	IR	CP	HORD	
	14N	06W	14	HCRR	1670	3.8900		1666.11	IR	GS	POLK NW	
	14N	06W	18	BRBR	1710	4.6000		1705.40	IR	CP	HORD	
	14N	06W	16R6	21	BRCC.	1686	4.8600		1681.14	IR	CP	HORD
	14N	06W	24	BCC	1671	3.6000		1667.40	IR	CP	PULK	
	14N	06W	25	DDDD	1671	6.8000		1664.20	IR	CP	PULK	
	14N	07W	1	AAAA	1708	7.8000		1700.20	IR	GS	HORD	
	14N	07W	4	AADC	1731	10.6600		1720.34	IR	CP	HORD	
	14N	07W	8	DDDD	1730	4.1000		1725.00	IR	CP	ARCHER	
	14N	07W	11	CCCC	1727	5.8000		1721.20	IR	CP	HORD	
	14N	07W	22	ADUD	1729	19.5000		1718.53	IR	CP	HORD	
	14N	07W	31	BRBR	1754	7.7000		1729.84	IR	CP	ARCHER	
	14N	07W	33	ABR	1740	6.9000		1733.10	IR	CP	HORD	
	14N	07W	35	BRAA	1729	11.2000		1717.80	IR	CP	HORD	
	14N	07W	35	BRBA	1735	13.1000		1721.90	IR	CP	HORD	
	14N	08W	1	AABA	1770	15.3600		1754.64	IR	GS	ARCHER	
	14N	08W	9	CRDN	1800	20.8000		1746.30	IR	GS	ARCHER	
	14N	08W	12	DDDC	1768	10.5000		1779.82	IR	CP	ARCHER	
	14N	08W	19	BAA	1829	18.2000		1757.50	OB	CP	PALMER	
	14N	08W	21	CRCC	1831	28.9000		1715.84	IR	GS	ARCHER	

COUNTY	TOWNSHIP	RANGE	SECTION	SFC/CLIC	DW	WT	DATE	WELL TYPE	MEASURER	TOPSHEET
MERRICK	14N	08W	23	CBAI	10.3700		102384	IR	GS	ARCHER
	14N	08W	25	DNDI	1753	8.2000	103184	IR	CP	ARCHER
	15N	03W	33	CHCR	1802	10.8500	102384	IR	GS	PALMER
	15N	04W	6	AAAA	1556	2.0000	1554.00		CP	SILVER CK.
	15N	04W	7	CRBR	1625	23.7100	1601.29		GS	HAVENS
	15N	04W	8	BRA	1624	25.7000	1598.30		CP	HAVENS
	15N	04W	8	DNDI	1597	5.5000	1591.50		CP	HAVENS
	15N	04W	15	AAAA	1579	4.6000	1574.40		CP	HAVENS
	15N	04W	21	CCC	1600	7.3000	1592.70		CP	HAVENS
	15N	04W	31	CCCD	1616	3.9000	1612.10		CP	CLARKS
	15N	04W	33	BCB	1605	5.8000	1599.20		CP	CLARKS
	15N	05W	2	CCCC	1621	3.6000	1617.40		CP	HAVENS
	15N	05W	8	DDDD	1650	8.6000	1641.40		CP	FULLERTON
	15N	05W	16	CCBA	1651	9.5000	1641.50		CP	FULLERTON
	15N	05W	18	CDC	1666	13.8000	1652.20		CP	FULLERTON
	15N	05W	22	AAAA	1624	8.1000	1615.90		CP	HAVENS
	15N	05W	24	DCCC	1615	7.5000	1607.50		CP	HAVENS
	15N	05W	28	BRBR	1638	10.4000	1627.60		CP	POLK NW
	15N	05W	30	CCCC	1651	7.5000	1643.50		CP	POLK NW
	15N	05W	32	AADR	1642	10.5000	1631.50		CP	POLK NW
	15N	06W	10	ARDA	1719	32.4700	1686.53		CP	FULLERTON
	15N	06W	19	BCBA	1742	38.1200	1703.86		GS	BELGRADESE
	15N	06W	21	CCCC	1700	9.4000	1690.60		CP	BELGRADESE
	15N	06W	32	AAA	1690	5.2000	1684.80		CP	HORD
	15N	06W	32	DDDD	1700	8.6000	1691.40		CP	HORD
	15N	06W	34	DDDD	1690	12.6000	1677.40		CP	POLK NW
	15N	07W	21	DCCC	1735	36.7000	1698.22		CP	ARCHER
	15N	07W	23	BCDA	1740	25.1000	1714.90		GS	BELGRADESE
	15N	07W	26	CCCC	1728	10.9000	1717.10		CP	HORD
	15N	08W	21	CDDD	1735	8.0000	1727.00		CP	ARCHFR
	15N	08W	33	CRCC	1767	11.1000	1755.90		GS	ARCHER
	15N	08W	34	CDDA	1770	3.0800	1766.92		CP	ARCHER
NANCE	15N	05W	5	DND	1645	7.2000	1637.80		CP	FULLERTON
	15N	06W	4	CADD	1721	29.800	1691.20		GS	BELGRADESE
	15N	07W	16	ARCD	1689	9.000	1680.00		LL	BELGRADESE
	15N	08W	1	AAA	1781	71.400	1709.60		GS	BELGRADESW
	15N	08W	10	ARAD	1762	48.800	1713.20		LL	BELGRADESW
	15N	08W	14	RCBR	1706	8.820	1697.18		GS	BELGRADESW
	16N	04W	10	BR	1614	26.800	1587.20		LL	FULLERTONNE
	16N	04W	31	BCH	1604	5.400	1598.60		CP	HAVENS
	16N	04W	32	DDDD	1588	5.900	1582.10		CP	HAVENS
	16N	04W	35	CCHC	1575	6.760	1568.24		GS	MERCHISTON
	16N	05W	4	ABBB	1625	24.440	1600.56		GS	BELGRADESE
	16N	05W	16	DADD	1619	8.500	1610.50		LL	FULLERTON
	16N	06W	15	DCCR	1666	27.700	1638.30		CP	BELGRADESE
	16N	06W	30	CAH	1687	19.260	1667.74		GS	BELGRADESE
	16N	07W	23	DRCC	1712	28.500	1713.50		LL	BELGRADESE
	16N	07W	25	DND	1671	13.680	1657.32		GS	BELGRADESE
	16N	07W	28	DNA	1738	33.680	1704.32		GS	BELGRADESE
	16N	07W	33	UND	1703	18.380	1684.62		GS	BELGRADESE
	16N	07W	34	HRCC	1717	15.970	1701.05		GS	BELGRADESE
	16N	07W	36	ANAA	1650	2.140	1647.86		GS	BELGRADESE

COUNTY	TOWNSHIP	RANGE	SECTION	SFC/CUC	LSD	DTW	WT	DATE	WELL TYPE	MEASURER	TOPSHEET
NANCE	16N	08W	21 CCCB		1827	46.700	1780.30	100184	IR		
	17N	04W	16 AADC		1643	58.500	1584.50	100184	IR	LL	FULLERTONE
	17N	04W	31 AAAC		1576	3.530	1572.47	110184	OB	GS	FULLERTONE
	17N	05W	13 AACB		1792	132.900	1659.10	100184	IR	LL	FULLERTONE
	17N	05W	13 BRRB		1791	108.620	1682.38	110184	OB	GS	FULLERTONE
	17N	06W	33 BR		1662	27.200	1634.80	100184	IR	LL	RELGRADE
	17N	06W	34 ADI		1700	36.920	1663.08	110184	OB	GS	MERCHISTON
	17N	07W	18 DAAA		1762	24.680	1737.32	110184	OB	GS	RELGRADE
	17N	07W	25 ADDN		1682	6.710	1675.29	110184	OB	GS	RELGRADE
PHELPS	07N		16 AA		2253	48.2000	2204.80	102484	OB	BR	KEARNEY SW
	07N	18W	8 CF		2294	5.2000	2288.80	102484	OB	BR	ELM CRK SW
	07N	18W	11 CR		2264	11.6000	2252.10	102484	OB	BR	ELM CRK SE
	07N	18W	13 BR		2279	34.9000	2244.10	102484	OB	BR	ELM CRK SE
	07N	19W	18 AA		2383	39.2000	2343.80	102484	OB	BR	BERTRANDSE
	07N	20W	13 BA		2440	87.4000	2352.60	102484	OB	BR	BERTRANDSE
	08N	17W	24 BC		2187	9.6300	2177.37	101184	IR	GS	ALFALFA CR
	08N	17W	32 CC		2227	13.9000	2213.10	102484	OB	BR	ALFALFA C
	08N	18W	16 CC		2252	6.2500	2245.75	101184	IR	GS	ELMCR WEST
	09N	18W	28 DD		2259	11.4000	2247.60	102484	OB	HR	ELM CRK E
	08N	19W	13 AA		2262	4.9000	2257.10	102484	OB	BR	ELM CRK W
	08N	19W	13 AP		2266	5.3000	2260.70	102484	OB	BR	ELM CRK W
	08N	19W	13 BC		2268	2.0000	2266.00	102484	OB	BR	ELM CRK W
	08N	19W	14 CD		2279	9.5000	2269.50	102484	OB	BR	ELM CRK W
	08N	19W	17 AA		2293	7.7000	2285.30	102484	OB	BR	ELM CRK W
	08N	19W	18 AA		2295	3.2000	2291.80	102484	OB	BR	OVERTON
	08N	19W	18 AAAA		2295	3.1200	2291.88	101184	OB	GS	OVERTON
	08N	19W	29 CCCC		2361	15.1000	2345.90	102484	OB	BR	OVERTON
	08N	19W	34 CC		2343	27.1000	2315.90	102484	OB	BR	ELM CRK SW
	08N	20W	7 DAA		2340	7.7000	2332.30	110184	OB	RR	BERTRANDNW
	08N	20W	7 DAAD		2340	7.7000	2332.30	110184	OB	RR	OVERTON
	08N	20W	8 HRB		2334	4.0000	2330.00	110184	OB	BR	OVERTON
	08N	20W	8 RCB		2336	5.6000	2330.40	110184	OB	BR	OVERTON
	08N	20W	8 BCH		2336	5.6000	2330.40	110184	OB	RR	OVERTON
	08N	20W	8 CD		2338	6.6900	2331.31	101184	IR	GS	OVERTON
	08N	20W	9 CD		2325	3.9000	2321.10	102484	OB	BR	OVERTON
	08N	20W	14 DRBR		2313	4.0000	2309.00	102484	OB	BR	OVERTON
	08N	20W	15 DR		2324	6.2000	2317.40	102484	OB	BR	OVERTON
	08N	20W	16 AA		2322	4.6000	2317.40	102484	OB	BR	OVERTON
	08N	20W	17 BRBR		2347	11.7000	2335.30	110184	OB	BR	OVERTON
	08N	20W	17 CCD		2432	84.9000	2347.10	110184	OB	BR	OVERTON
	08N	20W	18 AAAD		2355	16.3000	2338.70	110184	OB	HR	OVERTON
	08N	20W	25 HR		2375	35.7000	2339.30	102484	OB	HR	OVERTON
	08N	20W	26 DCDC		2390	15.8000	2374.20	102484	OB	RR	OVERTON
PLATTE	17N	03W	30 CAC		1554	12.4000	1541.60	100184	IR	LL	GENDA
SHERMAN	13N	13W	15 RAAA		1990	36.400	1953.60	100184	IR	LL	ROCKVILLE
	13N	14W	14 AACD		2107	117.100	1989.90	100184	IR	LL	RAVENNA
	13N	15W	14 C		2170	115.500	2054.50	100184	IR	LL	HAZARD
	13N	16W	19 DCDD		2205	164.200	2130.80	100184	IR	LL	LITCHFLOSS